```
EEEEEEEEEEEEEEE   DDDDDDDDDD      TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE  DDDDDDDDDD      TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEEE DDDDDDDDDD      TTTTTTTTTTTTTTT
EEE               DDD      DDD          TTT
EEE               DDD      DDD          TTT
EEE               DDD      DDD          TTT
EEE               DDD      DDD          TTT
EEE               DDD      DDD          TTT
EEEEEEEEEEE       DDD      DDD          TTT
EEEEEEEEEEEE      DDD      DDD          TTT
EEEEEEEEEEEE      DDD      DDD          TTT
EEE               DDD      DDD          TTT
EEE               DDD      DDD          TTT
EEE               DDD      DDD          TTT
EEE               DDD      DDD          TTT
EEE               DDD      DDD          TTT
EEEEEEEEEEEEEEEE  DDDDDDDDDD            TTT
EEEEEEEEEEEEEEEE  DDDDDDDDDD            TTT
EEEEEEEEEEEEEEEE  DDDDDDDDDD            TTT
```

```
CCCCCCCC  HH     HH  MM        MM   GGGGGGGG   SSSSSSSS  UU        UU   SSSSSSSS  TTTTTTTTTT  RRRRRRRR
CCCCCCCC  HH     HH  MM        MM   GGGGGGGG   SSSSSSSS  UU        UU   SSSSSSSS  TTTTTTTTTT  RRRRRRRR
CC        HH     HH  MMMM    MMMM  GG          SS        UU        UU  SS             TT      RR      RR
CC        HH     HH  MMMM    MMMM  GG          SS        UU        UU  SS             TT      RR      RR
CC        HH     HH  MM  MM  MM    GG          SS        UU        UU  SS             TT      RR      RR
CC        HH     HH  MM  MM  MM    GG          SS        UU        UU  SS             TT      RR      RR
CC        HHHHHHHHHH MM        MM  GG             SSSSSS  UU        UU     SSSSSS      TT      RRRRRRRR
CC        HHHHHHHHHH MM        MM  GG             SSSSSS  UU        UU     SSSSSS      TT      RRRRRRRR
CC        HH     HH  MM        MM  GG GGGGGG           SS  UU        UU          SS    TT      RR RR
CC        HH     HH  MM        MM  GG GGGGGG           SS  UU        UU          SS    TT      RR RR
CC        HH     HH  MM        MM  GG     GG           SS  UU        UU          SS    TT      RR    RR
CC        HH     HH  MM        MM  GG     GG           SS  UU        UU          SS    TT      RR    RR
CCCCCCCC  HH     HH  MM        MM   GGGGGG    SSSSSSSS  UUUUUUUUUU  SSSSSSSS      TT      RR      RR
CCCCCCCC  HH     HH  MM        MM   GGGGGG    SSSSSSSS  UUUUUUUUUU  SSSSSSSS      TT      RR      RR


LL              IIIIII       SSSSSSSS
LL              IIIIII       SSSSSSSS
LL                II      SS
LL                II      SS
LL                II      SS
LL                II      SS
LL                II         SSSSSS
LL                II         SSSSSS
LL                II              SS
LL                II              SS
LL                II              SS
LL                II              SS
LLLLLLLLLL      IIIIII       SSSSSSSS
LLLLLLLLLL      IIIIII       SSSSSSSS
```

```
   1   0001  0  %TITLE 'EDT$CHMGSUSTR - isolate the search and replace strings'
   2   0002  0  MODULE EDT$CHMGSUSTR (                          ! Isolate the search and replace strings
   3   0003  0              IDENT = 'V04-000'                   ! File: CHMGSUSTR.BLI Edit: JBS1003
   4   0004  0              ) =
   5   0005  1  BEGIN
   6   0006  1  !
   7   0007  1  !*************************************************************************
   8   0008  1  !*                                                                       *
   9   0009  1  !*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                              *
  10   0010  1  !*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.               *
  11   0011  1  !*  ALL RIGHTS RESERVED.                                                 *
  12   0012  1  !*                                                                       *
  13   0013  1  !*  THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED *
  14   0014  1  !*  ONLY IN  ACCORDANCE WITH  THE  TERMS  OF  SUCH  LICENSE  AND WITH THE *
  15   0015  1  !*  INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR  ANY  OTHER *
  16   0016  1  !*  COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY *
  17   0017  1  !*  OTHER PERSON.  NO TITLE TO AND OWNERSHIP OF  THE  SOFTWARE IS  HEREBY *
  18   0018  1  !*  TRANSFERRED.                                                          *
  19   0019  1  !*                                                                       *
  20   0020  1  !*  THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE *
  21   0021  1  !*  AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT *
  22   0022  1  !*  CORPORATION.                                                          *
  23   0023  1  !*                                                                       *
  24   0024  1  !*  DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS *
  25   0025  1  !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.               *
  26   0026  1  !*                                                                       *
  27   0027  1  !*                                                                       *
  28   0028  1  !*************************************************************************
  29   0029  1
  30   0030  1
  31   0031  1  !++
  32   0032  1  ! FACILITY:      EDT -- The DEC Standard Editor
  33   0033  1  !
  34   0034  1  ! ABSTRACT:
  35   0035  1  !
  36   0036  1  !      This module isolates the search and replace strings for the
  37   0037  1  !      SUBSTITUTE command.
  38   0038  1  !
  39   0039  1  ! ENVIRONMENT: Runs at any access mode - AST reentrant
  40   0040  1  !
  41   0041  1  ! AUTHOR: Bob Kushlis, CREATION DATE: Unknown
  42   0042  1  !
  43   0043  1  ! MODIFIED BY:
  44   0044  1  !
  45   0045  1  ! 1-001 - Original.  DJS 04-Feb-1981.  This module was created by
  46   0046  1  !         extracting the routine EDT$$FND_SUBSTR  from module CHANGE.BLI.
  47   0047  1  ! 1-002 - Regularize header.  JBS 02-Mar-1981
  48   0048  1  ! 1-003 - Improve the appearance of the listing.  JBS 13-Jun-1983
  49   0049  1  !--
  50   0050  1
```

EDT$CHMGSUSTR
VO4-000
EDT$CHMGSUSTR - isolate the search and replace
Declarations
E 12
15-Sep-1984 23:59:26
14-Sep-1984 12:22:33
VAX-11 Bliss-32 V4.0-742
[EDT.SRC]CHMGSUSTR.BLI;1
Page 2
(2)

```
52    0051  1  %SBTTL 'Declarations'
53    0052  1  !
54    0053  1  ! TABLE OF CONTENTS:
55    0054  1  !
56    0055  1
57    0056  1  REQUIRE 'EDTSRC:TRAROUNAM';
58    0495  1
59    0496  1  FORWARD ROUTINE
60    0497  1      EDT$$FND_SUBSTR : NOVALUE;                ! Isolate the search and replace strings for the SUBSTITUTE command
61    0498  1
62    0499  1  !
63    0500  1  ! INCLUDE FILES:
64    0501  1  !
65    0502  1
66    0503  1  REQUIRE 'EDTSRC:EDTREQ';
67    0638  1
68    0639  1  !
69    0640  1  ! MACROS:
70    0641  1  !
71    0642  1  !     NONE
72    0643  1  !
73    0644  1  ! EQUATED SYMBOLS:
74    0645  1  !
75    0646  1  !     NONE
76    0647  1  !
77    0648  1  ! OWN STORAGE:
78    0649  1  !
79    0650  1  !     NONE
80    0651  1  !
81    0652  1  ! EXTERNAL REFERENCES:
82    0653  1  !
83    0654  1  !     In the routine
```

EDT$CHMGSUSTR   F 12
EDT$CHMGSUSTR - isolate the search and replace 15-Sep-1984 23:59:26   VAX-11 Bliss-32 V4.0-742   Page 3
V04-000   EDT$$FND_SUBSTR - isolate the search and repla 14-Sep-1984 12:22:33   [EDT.SRC]CHMGSUSTR.BLI;1   (3)

```
  85   0655  1   %SBTTL 'EDT$$FND_SUBSTR  - isolate the search and replace strings'
  86   0656  1
  87   0657  1   GLOBAL ROUTINE EDT$$FND_SUBSTR                              ! Isolate the search and replace strings
  88   0658  1       : NOVALUE =
  89   0659  1
  90   0660  1   !++
  91   0661  1   !  FUNCTIONAL DESCRIPTION:
  92   0662  1   !
  93   0663  1   !      This routine isolates the search and replace strings for the SUBSTITUTE
  94   0664  1   !      command.
  95   0665  1   !
  96   0666  1   !      The length and address of the search and replace strings respectively
  97   0667  1   !      are placed in the global variables: EDT$$G_SEA_LEN ,
  98   0668  1   !      EDT$$A_SEA_STR , EDT$$G_RPL_LEN  and EDT$$A_RPL_STR .
  99   0669  1   !
 100   0670  1   !      The command line pointer EDT$$A_CMD_BUF  is left pointing 1 character beyond the
 101   0671  1   !      command.
 102   0672  1   !
 103   0673  1   !  FORMAL PARAMETERS:
 104   0674  1   !
 105   0675  1   !      NONE
 106   0676  1   !
 107   0677  1   !  IMPLICIT INPUTS:
 108   0678  1   !
 109   0679  1   !      EDT$$A_CMD_END
 110   0680  1   !      EDT$$A_CMD_BUF
 111   0681  1   !
 112   0682  1   !  IMPLICIT OUTPUTS:
 113   0683  1   !
 114   0684  1   !      EDT$$A_CMD_BUF
 115   0685  1   !      EDT$$A_RPL_STR
 116   0686  1   !      EDT$$G_RPL_LEN
 117   0687  1   !      EDT$$A_SEA_STR
 118   0688  1   !      EDT$$G_SEA_LEN
 119   0689  1   !
 120   0690  1   !  ROUTINE VALUE:
 121   0691  1   !
 122   0692  1   !      NONE
 123   0693  1   !
 124   0694  1   !  SIDE EFFECTS:
 125   0695  1   !
 126   0696  1   !      NONE
 127   0697  1   !
 128   0698  1   !--
 129   0699  1
 130   0700  2       BEGIN
 131   0701  2
 132   0702  2       EXTERNAL
 133   0703  2           EDT$$A_CMD_END,                          ! End of command pointer
 134   0704  2           EDT$$A_CMD_BUF,                          ! Command string pointer
 135   0705  2           EDT$$A_RPL_STR,                          ! Address of replace string.
 136   0706  2           EDT$$G_RPL_LEN,                          ! Length of replace string.
 137   0707  2           EDT$$A_SEA_STR,                          ! Address of search string.
 138   0708  2           EDT$$G_SEA_LEN;                          ! Length of search string.
 139   0709  2
 140   0710  2       LOCAL
 141   0711  2           QUOTE,
```

G 12

EDT$CHMGSUSTR   EDT$CHMGSUSTR - isolate the search and replace 15-Sep-1984 23:59:26   VAX-11 Bliss-32 V4.0-742   Page 4
V04-000   EDT$$FND_SUBSTR - isolate the search and repla 14-Sep-1984 12:22:33   [EDT.SRC]CHMGSUSTR.BLI;1   (3)

```
; 142     0712  2              R_ADDR,
; 143     0713  2              R_LEN;
; 144     0714
; 145     0715  2          QUOTE = CH$RCHAR_A (EDT$$A CMD_BUF);
; 146     0716  2          EDT$$A_SEA_STR = .EDT$$A_CMD_BUF;
; 147     0717  2          EDT$$G_SEA_LEN = 0;
; 148     0718  2
; 149     0719  3          WHILE (CH$PTR_GTR (.EDT$$A CMD END, .EDT$$A CMD_BUF) AND       !
; 150     0720  2              (CH$RCHAR_A (EDT$$A CMD_BUF) NEQ .QUOTE) DO
; 151     0721  2              EDT$$G_SEA_LEN = .EDT$$G_SEA_LEN + 1;
; 152     0722  2
; 153     0723  2          EDT$$A_RPL_STR = .EDT$$A_CMD_BUF;
; 154     0724  2          EDT$$G_RPL_LEN = 0;
; 155     0725
; 156     0726  3          WHILE (CH$PTR_GTR (.EDT$$A CMD END, .EDT$$A CMD_BUF) AND       !
; 157     0727  2              (CH$RCHAR_A (EDT$$A CMD_BUF) NEQ .QUOTE) DO
; 158     0728  2              EDT$$G_RPL_LEN = .EDT$$G_RPL_LEN + 1;
; 159     0729  2
; 160     0730  1      END;                                        ! of routine EDT$$FND_SUBSTR
```

```
                                                             .TITLE   EDT$CHMGSUSTR EDT$CHMGSUSTR - isolate the searc
;                                                                              h and replace
                                                             .IDENT   \V04-000\

                                                             .EXTRN   EDT$$A_CMD_END, EDT$$A_CMD_BUF
                                                             .EXTRN   EDT$$A_RPL_STR, EDT$$G_RPL_LEN
                                                             .EXTRN   EDT$$A_SEA_STR, EDT$$G_SEA_LEN

                                                             .PSECT   _EDT$CODE,NOWRT,  SHR,  PIC,2

                                    007C 00000              .ENTRY   EDT$$FND_SUBSTR, Save R2,R3,R4,R5,R6          ; 0657
                  56 00000000G  00   9E 00002               MOVAB    EDT$$G_RPL_LEN, R6
                  55 00000000G  00   9E 00009               MOVAB    EDT$$G_SEA_LEN, R5
                  54 00000000G  00   9E 00010               MOVAB    EDT$$A_CMD_BUF, R4
                              50     64 D0 00017             MOVL     EDT$$A_CMD_BUF, R0                            ; 0715
                              52     60 9A 0001A             MOVZBL   (R0), QUOTE
                                     64 D6 0001D             INCL     EDT$$A_CMD_BUF
     00000000G  00                   64 D0 0001F             MOVL     EDT$$A_CMD_BUF, EDT$$A_SEA_STR               ; 0716
                                     65 D4 00026             CLRL     EDT$$G_SEA_LEN                               ; 0717
                  50 00000000G  00   50 D0 00028             MOVL     EDT$$A_CMD_END, R0                            ; 0719
                              64     50 D1 0002F  1$:         CMPL     R0, EDT$$A_CMD_BUF
                              11     1B 00032               BLEQU    2$
                              53     64 D0 00034             MOVL     EDT$$A_CMD_BUF, R3                            ; 0720
                              51     63 9A 00037             MOVZBL   (R3), R1
                                     64 D6 0003A             INCL     EDT$$A_CMD_BUF
                              52     51 D1 0003C             CMPL     R1, QUOTE
                              04     13 0003F               BEQL     2$
                                     65 D6 00041             INCL     EDT$$G_SEA_LEN                               ; 0721
                              EA     11 00043               BRB      1$
     00000000G  00                   64 D0 00045  2$:        MOVL     EDT$$A_CMD_BUF, EDT$$A_RPL_STR               ; 0723
                                     66 D4 0004C             CLRL     EDT$$G_RPL_LEN                               ; 0724
                              64     50 D1 0004E  3$:        CMPL     R0, EDT$$A_CMD_BUF                            ; 0726
                              11     1B 00051               BLEQU    4$
                              53     64 D0 00053             MOVL     EDT$$A_CMD_BUF, R3                            ; 0727
                              51     63 9A 00056             MOVZBL   (R3), R1
                                     64 D6 00059             INCL     EDT$$A_CMD_BUF
```

```
                            52                    51 D1 0005B         CMPL    R1, QUOTE
                                                  04 13 0005E         BEQL    4$
                                                  66 D6 00060         INCL    EDT$$G_RPL_LEN                    0728
                                                  EA 11 00062         BRB     3$
                                                  04 00064 4$:        RET                                       0730
```

; Routine Size: 101 bytes,   Routine Base: _EDT$CODE + 0000

```
;  161           0731 1
;  162           0732 1 !<BLF/PAGE>
```

I 12
EDT$CHMGSUSTR   EDT$CHMGSUSTR - isolate the search and replace 15-Sep-1984 23:59:26   VAX-11 Bliss-32 V4.0-742   Page 6
V04-000   EDT$$FND_SUBSTR - isolate the search and repla 14-Sep-1984 12:22:33   [EDT.SRC]CHMGSUSTR.BLI;1   (4)

```
; 164        0733 1 END                                              ! of module EDT$CHMGSUSTR
; 165        0734 1
; 166        0735 0 ELUDOM
```

PSECT SUMMARY

Name	Bytes	Attributes
_EDT$CODE	101	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	-------- Symbols --------			Pages Mapped	Processing Time
	Total	Loaded	Percent		
_255DUA28:[EDT.SRC]EDT.L32;1	377	1	0	40	00:00.2
_255DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1

COMMAND QUALIFIERS

```
    BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS$:CHMGSUSTR/OBJ=OBJ$:CHMGSUSTR MSRC$:CHMGSUSTR.BLI/UPDATE=(ENH$:C
    HMGSUSTR)
```

```
; Size:          101 code + 0 data bytes
; Run Time:         00:10.7
; Elapsed Time:     00:12.8
; Lines/CPU Min:    4117
; Lexemes/CPU-Min: 11210
; Memory Used:  66 pages
; Compilation Complete
```

CHMFINENT
LIS

CHMGCOUNT
LIS

CHMGINSTR
LIS

CHMGSUSTR
LIS

CHMINIT
LIS

CHMINSMOD
LIS

CHMEMESS
LIS

CHMINSTAB
LIS

CHMENTTRM
LIS

CHMGBUF
LIS

CHMINSCHR
LIS

CHMINDATE
LIS

CHMEXVERB
LIS

CHMFINSTR
LIS

CHMGDIR
LIS

CHMGQUSTR
LIS

CHMHLPKPD
LIS

CHMINSSTR
LIS

CHMKEYWRD
LIS

CHMENDWRD
LIS

CHMEXCOM
LIS